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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/511,759	10/19/2004	Kari Pajukoski	059864.00981	4940	
32294 SOUIRE, SAN	7590 10/01/2010 NDERS & DEMPSEY L.	EXAM	EXAMINER		
8000 TOWERS CRESCENT DRIVE			NGUYEN, LEON VIET Q		
14TH FLOOR VIENNA, VA		ART UNIT	PAPER NUMBER		
			2611		
			NOTIFICATION DATE	DELIVERY MODE	
			10/01/2010	ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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IPGENERALTYC@SSD.COM SWHITNEY@SSD.COM

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)	
10/511,759	PAJUKOSKI, KARI	
Examiner	Art Unit	
LEON-VIET Q. NGUYEN	2611	

	LEON-VIET Q. NGUYEN	2611	
The MAILING DATE of this communication appe	ars on the cover sheet with the	correspondence add	ress
THE REPLY FILED 10 September 2010 FAILS TO PLACE THIS	S APPLICATION IN CONDITION F	OR ALLOWANCE.	
 M The reply was filed after a final rejection, but prior to or on application, applicant must timely file one of the following i application in condition for allowance; (2) a Notice of Appe for Continued Examination (RCE) in compliance with 37 C periods: 	the same day as filing a Notice of eplies: (1) an amendment, affidavi al (with appeal fee) in compliance	Appeal. To avoid abar t, or other evidence, w with 37 CFR 41.31; or	hich places the (3) a Request
a) The period for reply expiresmonths from the mailing	date of the final rejection.		
b) A The period for reply expires on: (1) the mailing date of this Ar no event, however, will the statutory period for reply expire la Examiner Note: If box 1 is checked, check either box (a) or (I MONTHS OF THE FINAL REJECTION. See MPEP 706.07(I	iter than SIX MONTHS from the mailing b). ONLY CHECK BOX (b) WHEN THE	date of the final rejection	n.
Extensions of time may be obtained under 37 CFR 1.136(a). The date of have been filed is the date for purposes of determining the period of extunder 37 CFR 1.17(a) is calculated from: (1) the expiration date of the s	on which the petition under 37 CFR 1.1 ension and the corresponding amount	of the fee. The appropria	ite extension fee
set forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patent term adjustment. See 37 CFR 1.704(b). NOTICE OF APPEAL			
 The Notice of Appeal was filed on A brief in compl filing the Notice of Appeal (37 CFR 41.37(a)), or any exter Notice of Appeal has been filed, any reply must be filed wi 	sion thereof (37 CFR 41.37(e)), to	avoid dismissal of the	
<u>AMENDMENTS</u>			
 The proposed amendment(s) filed after a final rejection, be They raise new issues that would require further core They raise the issue of new matter (see NOTE below 	sideration and/or search (see NO		cause
(c) ☐ They are not deemed to place the application in bett appeal; and/or			ne issues for
(d) ☐ They present additional claims without canceling a c	orresponding number of finally reje	ected claims.	
NOTE: (See 37 CFR 1.116 and 41.33(a)).		affect & and and the	TOL 004)
4. The amendments are not in compliance with 37 CFR 1.12		mpliant Amendment (i	OL-324).
 Applicant's reply has overcome the following rejection(s): Newly proposed or amended claim(s) would be alled 			
non-allowable claim(s).	owabie ii submitted iii a separate, i	intely filed afficilities	it canceling the
 For purposes of appeal, the proposed amendment(s): a) [how the new or amended claims would be rejected is prov 		l be entered and an e	planation of
The status of the claim(s) is (or will be) as follows:			
Claim(s) allowed: <u>19-21,29-34 and 36-38</u> . Claim(s) objected to: <u>1-18,22-28,35 and 39-41</u> . Claim(s) rejected:			
Claim(s) rejected: Claim(s) withdrawn from consideration:			
AFFIDAVIT OR OTHER EVIDENCE			
 The affidavit or other evidence filed after a final action, but because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e). 			
 The affidavit or other evidence filed after the date of filing a entered because the affidavit or other evidence failed to or showing a good and sufficient reasons why it is necessary 	vercome <u>all</u> rejections under appea	al and/or appellant fail:	to provide a
10. The affidavit or other evidence is entered. An explanation REQUEST FOR RECONSIDERATION/OTHER	of the status of the claims after er	ntry is below or attach	ed.
 The request for reconsideration has been considered but see continuation sheet. 	does NOT place the application in	condition for allowan	ce because:
12. Note the attached Information <i>Disclosure Statement(s)</i> . (13. Other:	PTO/SB/08) Paper No(s)		
(David C. Payne)			
/David C. Payne/ Supervisory Patent Examiner, Art Unit 2611			

Regarding claims 39-41, applicant asserts that the specification adequately describes the computer readable medium as claimed (Remarks page 19).

Examiner agrees and the 112 first paragraph rejection and the objection are withdrawn.

Regarding claim 1, applicant asserts that Hiramatsu does not disclose using an original signal and a limiting signal to determine an error signal (Remarks page 24 third paragraph).

Examiner respectfully disagrees.

As cited on page 5 of the previous office action, the error signal is interpreted to be the output of 114 in fig. 4 of Hiramatsu. The inputs to 114 come from filters 110 and 111, which are interpreted to be the original signal, and envelope action 113, which is interpreted to be the original signal, and envelope action 113, which is interpreted to be a limiting signal. The input to filters 110 and 111 come from transmission signals A-C indirectly and thus are interpreted to be used in actioualistin the error in 114.

Also regarding claim 1, applicant asserts that Takada does not disclose changing the sign of a limiting signal and subtracting it from the input signal (Remarks page 26).

Examiner respectfully disagrees.

Takada states that subtraction 65a subtracts the output of 64a from the input signal ($||0.088\rangle$, where the output of 64a has an input which is a sign reversed version of the input signal ($||0.085\rangle$). In effect, the error signal = (||7| - r|1) - (-r|1/r) + r(Q(r-1)). It can be seen from the equation that the error signal includes the input signal ||7| and its sign reversed version -r|(1-r).

Further regarding claim 1, applicant asserts that Hunton does not disclose taking the opposite sign of the difference signal to reduce the signal (Remarks page 26).

Examiner respectfully disagrees.

In the previous OA, Hunton was relied upon to teach generating a limited signal (3" in fig. 3) by reducing (combiner 130 in fig. 3, 10077 of applicant's published application states that a summer is used to perform reduction. The combiner is interpreted to perform the same function as a summer) an error signal (VC in fig. 3, 10024) filtered using the filter matched to a chip pulse waveform (matched correction filter 170 in fig. 3, 110024) from the signal (the output of delay 120 in fig. 3). Hinton was not relied upon to teach taking the opposite sign of the difference signal to reduce the signal.

In response to applicant's argument, the test for obviousness is not whether the features of a secondary reference may be bodily incorporated into the structure of the primary reference; nor is it that the claimed invention must be expressly suggested in any one or all of the references. Rather, the test is what the combined teachings of the references would have suggested to those of ordinary skill in the art. See In re Keller, 642 F.2d 413, 208 USPQ 871 (CCPA 1981).

Regarding claims 2, 3, 7 and 11, applicant asserts that cited prior art does not teach determining an error signal using the signal and the limiting signal by changing the limiting signal so as to be of an opposite sign and reducing from the signal (Remarks pages 30, 32, 34, and 37).

Examiner respectfully disagrees.

See the response to the rejection of claim 1 above.

In response to applicant's arguments against the references individually, one cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See In re Keller, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); In re Merck & Co., 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986).